

CLAIMS:

1. A catalyst composition for the polymerization of propylene or mixtures of propylene and one or more copolymerizable comonomers, said catalyst composition comprising one or more Ziegler-Natta procatalyst compositions comprising one or more transition metal compounds and one or more monoesters of aromatic carboxylic acid internal electron donors; one or more aluminum containing cocatalysts; and a mixture of two or more different selectivity control agents, said SCA mixture comprising from 98.0 to 99.9 mol percent of one or more esters of one or more aromatic monocarboxylic acids or substituted derivatives thereof, and from 2.0 to 0.1 mol percent of one or more alkoxysilane compounds.
2. The catalyst composition of claim 1 wherein the internal electron donor is ethyl benzoate.
3. The catalyst composition of claim 1 wherein the SCA mixture comprises ethyl p-ethoxybenzoate and an alkoxysilane containing two or three methoxy groups.
4. The catalyst composition of claim 3 wherein the alkoxysilane is dicyclopentyl dimethoxysilane or methylcyclohexyl dimethoxysilane.
5. A catalyst composition according to claim 1 wherein the total quantity of selectivity control agent employed is limited to provide a molar ratio, based on transition metal, from 1 to 100.
6. A catalyst composition according to any one of claims 1-5 wherein the SCA mixture comprises from 98.5 to 99.5 mol percent of one or more alkyl esters of one or more aromatic monocarboxylic acids or substituted derivatives thereof, and from 1.5 to 0.5 mol percent of one or more alkoxysilane compounds.
7. A polymerization process comprising contacting propylene or a mixture of propylene and one or more copolymerizable comonomers under polymerization conditions at a temperature from 45 to 100 °C with a catalyst composition comprising one or more Ziegler-Natta procatalyst compositions comprising one or more transition metal compounds and one or more internal electron donors selected from the group consisting of esters of aromatic monocarboxylic acids; one or more aluminum containing cocatalysts; and a mixture of two or more different selectivity control agents, said SCA mixture comprising from 98.0 to 99.9 mol percent of one or more esters of one or more aromatic monocarboxylic acids or substituted derivatives thereof, and from 2.0 to 0.1 mol percent of one or more alkoxysilane compounds.
8. The method of claim 7 conducted at a temperature from 60 to 85 °C.
9. The method of claim 7 wherein the internal electron donor is ethyl benzoate.

10. The method of claim 7 wherein the SCA mixture comprises ethyl p-ethoxybenzoate and a dimethoxysilane.

11. The method of claim 7 wherein the alkoxysilane is dicyclopentyldimethoxysilane or methylcyclohexyldimethoxysilane.

5 12. The method according to any one of claims 7-11 conducted under gas phase polymerization conditions.

13. The method according to any one of claims 7-11 which is conducted in more than one reactor operating in series.